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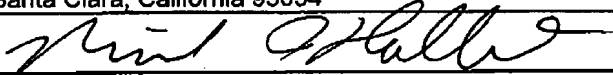
Modified PTO/SB/21 (09-04)
OMB 0851-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

<h1 style="text-align: center;">TRANSMITTAL FORM</h1> <p style="text-align: center;">(to be used for all correspondence after initial filing)</p>		Complete if Known		
		Application Number	09/458,123	
		Filing Date	December 8, 1999	
		First Named Inventor	Blaine R. Spady	
		Examiner Name:	Gordon Stock	
		Group Art Unit	2877	
Total Number Of Pages In This Submission		7	Attorney Docket No.:	NAN035 US

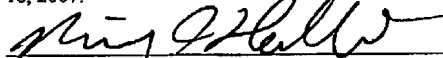
ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached (PTO-2038)	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input checked="" type="checkbox"/> Amendment / Reply (6 pages)	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declarations	<input type="checkbox"/> Power of Attorney, Revocation of Previous Powers; And Statement Under 37 CFR 3.73(b)	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Landscape Table on CD	
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application	Remarks The commissioner is hereby authorized to charge any necessary fees to deposit account 50-2263.	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY OR AGENT

Firm or Individual Name	Michael J. Halbert (Reg. No. 40,633) Silicon Valley Patent Group LLP 2350 Mission College Boulevard, Suite 360 Santa Clara, California 95054
Signature	
Date	April 16, 2007

CERTIFICATE OF FACSIMILE TRANSMISSION

I hereby certify that this correspondence is being facsimile transmitted to the U.S. Patent and Trademark Office to the fax number 571-273-8300 on April 16, 2007.

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Attorney for Applicant(s) Date of Signature

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventors: Blaine R. Spady; John D. Heaton; Robert Buchanan; Richard A. Yarussi
Assignee: Nanometrics Incorporated
Title: Metrology/Inspection Positioning System
Serial No.: 09/458,123 Filing Date: December 8, 1999
Examiner: Gordon Stock Group Art Unit: 2877
Docket No.: NAN035 US Confirmation No.: 8470

Santa Clara, California
April 16, 2007

Mail Stop Amendment
Commissioner For Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RESPONSE TO OFFICE ACTION

Dear Sir:

This Response to Office Action is responsive to the February 12, 2007, Office Action, which has a statutorily shortened period for response that ends May 12, 2007. Please enter the following amendments before taking action on the merits of the above-referenced application.

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